

Curs 2014 - 15

# Gravity



**Nivells:** ESO / Batxillerats / Cicles Formatius / C. de Formació d'Adults. **Àrees:** Llengua anglesa / Ciències socials, geografia i història / Ciències de la Terra / Tecnologies / Món contemporani. **Temes:** Dones / Mitjans de transport / Recursos naturals. Comerç. Consum. Riquesa i pobresa / Medicina. Salut / El món del treball. Relacions laborals / Relacions humanes. Psicologia. Sociologia.

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## Suggeriments per al professorat

El dossier que us fem arribar conté un seguit d'activitats per treballar amb l'alumnat dins l'aula abans o després de la projecció. Aquestes activitats són opcionals, deixant al vostre criteri, a partir del coneixement real que teniu del vostre alumnat, la manera de treballar el film.

### Direcció i concepció gràfica:

Cinema per a estudiants

### Activitats i adaptació de textos:

Abel Gálvez i José Pica

## Índex d'activitats

<b>Fitxa tècnica i artística; sinopsi</b> .....	<b>2</b>
<b>English activities</b>	
1. The plot of the film .....	<b>3 - 5</b>
2. Characters descriptions .....	<b>6</b>
3. Comparatives and Superlatives .....	<b>7</b>
4. Reporting Commands .....	<b>8</b>
5. Space Debris Infographics .....	<b>9 - 10</b>
6. The First Woman to Fly Solo in Space .....	<b>11 - 12</b>
7. Fun Facts About Space .....	<b>13</b>
8. To Live and Work in Space. ....	<b>14 - 15</b>
9. The Outer Space Treaty .....	<b>16</b>

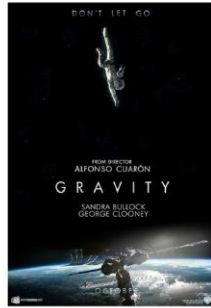
## Pàgines

**FITXA TÈCNICA I ARTÍSTICA**

**Direcció:** Alfonso Cuarón. **Interpretació:** Sandra Bullock (Dra. Ryan Stone), George Clooney (Matt Kowalsky). **Guió:** Alfonso Cuarón i Jonás Cuarón. **Producció:** Alfonso Cuarón i David Heyman. **Música:** Steven Price. **Fotografia:** Emmanuel Lubezki. **Muntatge:** Mark Sanger i Alfonso Cuarón. **Disseny de producció:** Andy Nicholson. **Vestuari:** Jany Tempie. **Gènere:** Ciència-ficció. **Països:** els EUA i el Regne Unit. **Anys:** 2013. **Durada:** 90 min.

**SINOPSI**

A la pel·lícula, Sandra Bullock interpreta la doctora Ryan Stone, una brillant enginyera especialitzada en medicina que realitza la seva primera missió en un transbordador espacial. Amb ella viatja el veterà astronauta Matt Kowalsky (George Clooney) al comandament del seu últim vol abans de retirar-se. Però en un passatge espacial, aparentment de rutina, es desencadena el desastre. El transbordador es destrueix i la Stone i el Kowalsky queden completament sols, units l'un a l'altre, flotant en la foscor.



In the context of Telecommunication means: 'to reach from someone's radio transmitter.'

**ACTIVITY ONE—THE PLOT OF THE FILM**

Gravity is a space thriller about the misfortunes of astronauts Doctor Ryan Stone and Matt Kowalsky in space.

Read the plot of the story and then try to match the words in bold to the correct images on the next page. They are specific terms of space vocabulary.

**Vocabulary**

set: ambientat; shuttle: transbordador; has struck (to strike, verb): topar; debris: residus; tear apart: separar; spiraling: movent-se en espiral; tethered: lligats; pulp: glic; thruster: motor de propulsió; threaten: amenaçar; has deployed: se ha desplegat; grab: enregistrar-se; gets entangled: s'entreda; s complicated, difícil

Gravity is a film set during a space shuttle miss engineer. She is aboard the Explorer. It is her first as a veteran astronaut Matt Kowalsky. He is commanding.

They are on a **spacewalk** to repair the **Hubble Space Telescope**. A Russian satellite has struck on a **missile** and has formed a cloud of **debris** in space. **Mistake**. After that, they lose communication with the Earth.

High-speed debris from the Russian satellite strike Doctor Stone apart and leaves her spiraling through space. They try to go back to the Space Shuttle. When they suffer catastrophic damage, the **crew** is dead, alone in space. They are tethered to each other out of every gulp of air cuts away the little oxygen they have.

Then they use the **thruster pack** to go to the **intern** only about 1.4 km away. Kowalsky estimates that the field completes an orbit and threatens the

En route to the ISS, they try to... As they approach... of its type...

**Gravity**



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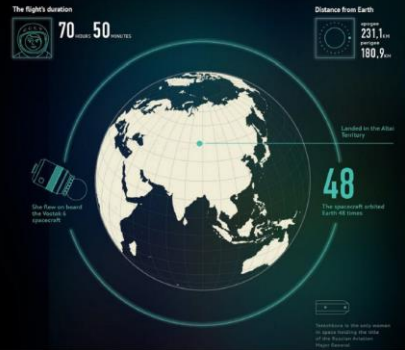
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**First Woman in Space**

Valentina Tereshkova, instructor cosmonaut of the first squad, became the first woman to solo in space on June 16, 1963.



Valentina Tereshkova, a Russian woman made history because she was the first woman to go to space on June 13, and her spatial trip took more than 48 hours. The spot where she travelled, was called Vostok 5 round the Earth for times. She was at a distance of 231.1 km from the Earth. Tereshkova landed Altai Territory in and she was awarded American Aviation General by the American government.

**ACTIVITY SEVEN—SPACE FUN FACTS**

Read the chart and complete these sentences.

- 1- An astronaut grows \_\_\_\_\_ inches when he/she is in anti-gravity.
- 2- The first curse word in the space was said in \_\_\_\_\_.
- 3- An asteroid collision with the Earth is expected in \_\_\_\_\_.
- 4- \_\_\_\_\_ of dead animals are floating around space.
- 5- We know the existence of \_\_\_\_\_ black holes in the universe, according to the text.
- 6- A Russian millionaire will pay \_\_\_\_\_ dollars to travel to space with Leonardo Di Caprio.
- 7- NASA shuttles reach a temperature of \_\_\_\_\_ Fahrenheit degrees when they cross the atmosphere on the way back.

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**ACTIVITY EIGHT—TO LIVE AND WORK IN SPACE BY SANDRA MAGNUS**

Dr. Ray Stone is the fictional protagonist of Gravity, but many real men and women work in space stations orbiting above our heads.

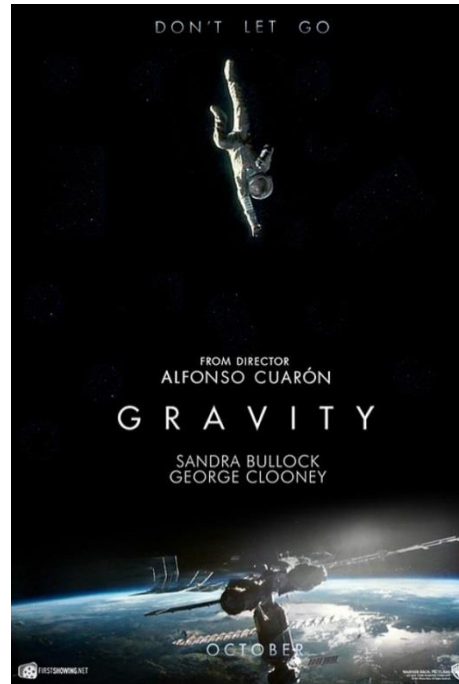
Sandra Magnus is one of the women who work in the International Space Station. Read about her daily routine and answer these questions in your words. Try not to copy from the text.



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- 1- Who plans the daily routines of engineers aboard the ISS?
- 2- What's one of the main problems that astronauts face aboard the ISS? Can you give examples of this?
- 3- Why is exercise important for these engineers?
- 4- What do people have to do with their food before they can eat it?
- 5- How many conferences do they have per day?
- 6- Is there any time for relaxing in this planned schedule?
- 7- Can astronauts contact their families or friends? When?

Astronaut Sandra Magnus poses with free-floating storage containers in the Destiny laboratory of the ISS. Image courtesy of NASA. <http://science.houmaffairs.com/international-space-station/>



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